

Technical Bulletin

Bulletin No: TCH-003-044

Effective Date: 3/5/02

Cancels: NA

Page: 1 of 1

Subject: **AutoBrake™ Modification Kit**

The original AutoBrake system (kit part number 5008285) was designed to be used on school buses in states that require a **sequential lighting** process (amber lights followed by red lights), before all passenger pick-up and drop-offs (see test procedure below). On vehicles with a **sequential lighting** system the driver is required to perform the following two actions at each passenger stop to activate the flashing stop lights:

1. First activate the dash switch to turn on the flashing amber lights,
2. Next, open the vehicle door which automatically activates the flashing red stop lights and stop signal arm.

If the AutoBrake for **sequential lighting** system is installed on a vehicle with **non-sequential lighting**, i.e. where only the single action of opening the door activates the flashing red lights, a brake application will occur if the driver opens the door while the vehicle is in motion without overriding the stop signal arm. To prevent a brake application each time the door is opened, a modification kit must be added to the original AutoBrake system. This modification kit requires the driver to activate AutoBrake with a push button once the door has been opened. With this kit properly installed, AutoBrake will activate when the door is open only if the driver first pushes the AutoBrake dash button. This process is similar to the two actions a driver must take when operating a **sequential lighting** system.

Test procedure to determine if your bus has a sequential or non-sequential lighting system:

Verify there is power to the flasher unit indicating the system is on. Open the bus door without turning on the amber lights. If the stop arm extends and red lights flash, the bus has a **non-sequential lighting** system, and the correct Bendix AutoBrake part number is new kit part number 5011053.

If the stop arm does not extend and the red lights do not flash when the bus door is opened, the bus has a **sequential lighting** system, and the correct Bendix AutoBrake kit is part number 5008285.

If you have AutoBrake kit part number 5008285 installed on a vehicle with a non-sequential lighting system, you will need a modification kit, please contact your Bendix Distributor or Account Manager for details. The modification kits will be provided at no cost.

In addition, BCVS has released a second AutoBrake kit that is available to customers in states **with non-sequential lighting** requirements. This kit (part number 5011053) utilizes a switch to activate the AutoBrake after the bus has stopped and the flashing red stop lights have been activated.

If you have any questions or concerns please contact your Bendix Account Manager or call 1-800-AIR-BRAKE.

AutoBrake Parts Summary

Part Numbers

5008285

5011053

Modification Kit

Application

Sequential Lighting System

Non-Sequential Lighting System

Non-Sequential Lighting System

Conditions

Amber lights, followed by red is mandated

Only red lights are mandated

Contact your Bendix Account Manager to order

